

# Increasing Access to Biofuels in Tennessee

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TD↑T

Ethanol Fuels Workshop  
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# Tennessee's Biofuel Green Island Corridor Network



- Green Island infrastructure grant program began fall of 2006
  - \$1.5 MM in state funds from Governor's biofuels budget; \$480K in TDOT CMAQ funds
- In 2006, one E85 pump in Nashville; several biodiesel pumps in East Tennessee
- Today
  - 33 E85 pumps and 32 B20 pumps



# Tennessee's Biofuel Green Island Corridor Network

- Goal to establish statewide network of publicly accessible B20 and E85 refueling stations (“Green Islands”) along Tennessee interstates and major highways
- Help locate biofuel stations no more than 100 miles apart along major corridors
  - At least one E85 pump/one B20 pump in priority counties
  - At least three E85 pumps and three B20 pumps in urban areas





## BIOFUEL GREEN ISLAND CORRIDOR NETWORK PRIORITY COUNTIES



The Tennessee Department of Transportation, Planning Division,  
GIS Mapping and Facilities Data (TRIMS) Office provided this illustration.  
For comments or questions please contact: 615-741-3214

Markers will identify interstate exits where  
biofuel stations are located.

**GOAL (a minimum of):**

1 E85 and 1 B20 pump in each priority county  
3 E85 and 3 B20 pumps in urban counties

**PRIORITY COUNTIES**

**COUNTIES MEETING MINIMUM GOAL**

03-25-2010

- Blue indicates priority counties for E85 and/or B20
- Pink counties have met minimum goals



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# Biofuel Green Island Grants



- Competitive grant process administered through TDOT
- Fuel stations and farm coops invited
- TDOT pays up to 80% of total project costs
- Fuel station pays at least 20%
- Maximum funding \$45,000 per pump and \$90,000 per location
- Grant application deadline April 30, 2010



# It's Not Too Late!

- Applications will be considered on time if you:
  - Complete the application questionnaire
  - Provide basic information, for example
    - As much cost information and detail as possible
    - New tank or convert existing tank
    - New dispenser or convert existing dispenser
    - What is needed for installation (piping, island, etc.)
    - Photos or Google map
- Follow up quickly with more details from cost estimates for capital purchases and installation
  - Cannot increase amount of grant funding requested



# Education and Outreach Are Essential

- As a retailer, you must market your products and build demand
- Help increase public awareness of biofuels
- Advertise locally and promote your station locations
- Encourage citizens to use E85 and B20
- Participate in your Clean Cities organization



# Visibility is Important

Prominent location  
of biofuel pumps  
will help your  
marketing



Quik Mart, Lewisburg

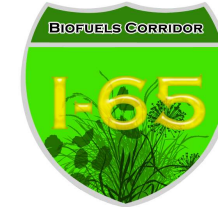


# Visibility is Important



Daily's, Long Hollow Pike,  
Nashville

AMERICA'S FIRST  
BIOFUELS CORRIDOR



- U.S. Department of Energy project
- I-65 Corridor from Michigan to the Gulf of Mexico
- Two corridor biofuels stations in Tennessee



# TDOT Promotes All Tennessee Green Islands

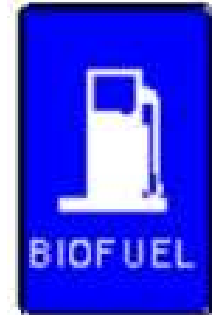


- Maintain list on TDOT website and update station locators managed by others
  - Tn.Gov Maps ([Tennesseeanytime.org](http://Tennesseeanytime.org))
  - BioTENN ([www.Biotenn.org](http://www.Biotenn.org))
  - Growth Energy ([www.e85fuel.com](http://www.e85fuel.com))
  - Dept. of Energy Alternative Fuels Data Center ([www.afdc.energy.gov/afdc/locator/stations/](http://www.afdc.energy.gov/afdc/locator/stations/))
- Interstate Signage Program (blue logo signs)
- Interstate locations on Tennessee State Map



# Interstate Signage for Marketing and Public Awareness

- Visible, easily recognizable signage for E85 and B20 along interstate corridors
- Help motorists find biofuel stations and increase consumer demand
- Increase public awareness of biofuels
- Demonstrate state support and endorsement of biofuels
- Help make cleaner, renewable fuels a viable fuel choice for consumers



# Interstate Biofuel Signage

- Pump image and “BIOFUEL” added to GAS blue logo signs at interstate exits with B20 and/or E85 stations
- One sign on interstate and one sign on exit ramp (each side of freeway)
- Total of four signs at each biofuel exit
- Stations put B20 and/or E85 on their logo sign
- Arrows on ramp signs direct motorists to station locations



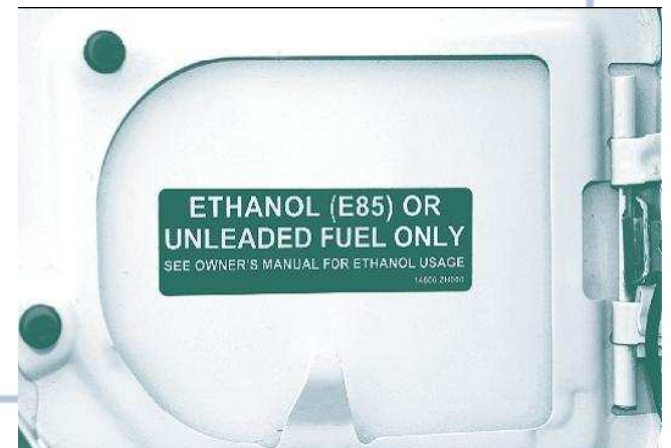
# Tennessee Biofuel Signs on Interstate 75

Mainline and ramp signs



# State Petroleum Reduction Mandate (PC 489)

- Directs state agencies and public universities to reduce or displace petroleum use
- 20 percent reduction by January 2010
- Make annual progress reports to Comptroller
- Increased biofuels use a major strategy to meet goal



# For More Information...

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